WHAT IS CLAIMED IS:

1. A data backup device connected to a server via a network, comprising:

a usable band detector that detects a width of a usable band

5 from an available band of the network, the usable band currently not being used; and

a backup controller that

determines whether the width of the usable band is wider than a predetermined width, and

10 transmits data of a client to the server through the network to store the data as backup data in the server when the usable band is determined to be wider than the predetermined width.

2. The data backup device according to claim 1, further

15 comprising:

a data identifying unit that identifies a type of data selected from a plurality of types for each of the data stored in the client, wherein the backup controller specifies the type of each of the data identified when transmitting each of the data to the server; and

20 a data restoring unit that

receives a request from a user of the client,

determines a type of backup data to be obtained from the backup data stored in the server according to the type, based on the request, the type of backup data being one of the types,

25 requests the server to transmit the backup data of the

type determined,

        receives the backup data of the type transmitted from the server, and

        restores to the client the backup data of the type

5   received.

3.   The data backup device according to claim 2, wherein the types are user data, operating system setting data, application information, and other data.

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4.   The data backup device according to claim 1, further comprising a data restoring unit that

        receives an initial state restore request from a user to restore data of an initial state of the client,

15   requests the server to transmit a difference between the backup data and an initial state master data both stored in the server, and

        receives the difference from the server to restore the difference to the client.

20   5.   The data backup device according to claim 1, further comprising:

        a distribution specifying unit that receives distribution information from a user and transmits the distribution information to the server, wherein the distribution information specifies

25   distributed data to be distributed from the backup data

stored in the server to another client via the network,

a time at which the distributed data is to be distributed,
and

a destination to which the distributed data is to be
5   distributed.

6.   A backup data management device connected to a client via a
network, comprising:

a backup data storage unit that stores data received from the
10   client through the network as backup data; and

a data distributing unit that distributes data specified by the
client from the backup data to a destination and at a time both specified
by the client.

15   7.   The backup data management device according to claim 6,
wherein the backup data storage unit classifies each of the data
according to a type specified by the client.

8.   A data backup method comprising:
20   detecting a width of usable band from an available band of a
network, the usable band currently not being used;

determining whether the width of usable band is wider than a
predetermined width; and

transmitting data of a client to a server through the network to
25   store the data as backup data in the server when the width of usable

band is determined to be wider than the predetermined width.

9. The data backup method according to claim 8, further comprising:

    identifying a type of data selected from a plurality of types for
5   each of the data stored in the client;

    specifying the type of each of the data identified when
transmitting each of the data to the server;

    receiving a request from a user of the client;

    determining a type of backup data to be obtained from the
10 backup data stored in the server according to the type, based on the
request, the type of backup data being one of the types;

    requesting the server to transmit the backup data of the type
determined;

    receiving the backup data of the type transmitted from the
15 server; and

    restoring to the client the backup data of the type received.

10. A computer readable recording medium that stores a computer
program including computer executable instructions which when
20 executed by a computer, cause the computer to perform:

    detecting a width of usable band from an available band of a
network, the usable band currently not being used;

    determining whether the width of usable band is wider than a
predetermined width; and
25   transmitting data of a client to a server through the network to

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store the data as backup data in the server when the width of usable

band is determined to be wider than the predetermined width.

11.   A data backup system comprising:

5   a server; and

a data backup device connected to the server via a network and

including

a usable band detector that detects a width of usable

band from an available band of the network, the usable band currently

10   not being used,

a backup controller that determines whether the width of

usable band is wider than a predetermined width, and

a transmitter that transmits data through the network to

the server to store the data in the server as backup data when the

15   backup controller determines the width of usable band to be wider than

the predetermined width.

12.   The data backup system according to claim 11, further

comprising a memory unit that stores the data, wherein

20   the data backup device further comprises a data identifying unit

that identifies a type of data selected from a plurality of types for each

of the data stored in the memory unit, and

the transmitter transmits each of the data to the server

according to the type identified by the data identifying unit.

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13.   The data backup system according to claim 12, wherein the data
backup device further comprises a data restoring unit that

receives a request from a user,

determines a type of backup data to be obtained from the

5   backup data stored, based on the request, the type being one of the

types,

requests the server to transmit the backup data of the type

determined,

receives the backup data of the type transmitted, and

10   restores to the memory unit the backup data of the type

received.

14.   The data backup system according to claim 12, wherein the
types are user data, operating system setting data, application

15   information, and other data.

15.   The data backup system according to claim 11, further
comprising a client connected to the network, the client including the
backup device.

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16.   The data backup system according to claim 12, wherein the
server comprises a backup data storage unit that stores, as the backup
data, each of the data transmitted from the backup controller according
to the type.

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17.   The data backup system according to claim 15, wherein

the server comprises an initial state storage unit that stores

initial state master data of the client, and

the data backup device further comprises a data restoring unit

5   that

receives an initial state restore request from a user to

restore data of an initial state of the client,

requests the server to transmit a difference between the

backup data and the initial state master data, and

10   receives the difference from the server to restore the

difference to the client.

18.   The data backup system according to claim 15, wherein

the client further comprises a distribution specifying unit that

15   receives distribution information from a user and transmits the

distribution information to the server, the distribution information that

specifies distributed data to be distributed from the backup data stored

in the server to another client via the network, a time at which the

distributed data is to be distributed, and a destination to which the

20   distributed data is to be distributed, and

the server further comprises a data distributing unit that

distributes the distributed data from the backup data to the destination

and at the time based on the distribution information.

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